

ABSTRACT OF THE DISCLOSURE

Deformation and vibration of claw magnetic poles in rotor are reduced. A rotor includes: a rotor coil 15 for generating a magnetic flux by applying a current; a pole core comprised of a first 5 pole core body 19 and a second pole core body 20 that are disposed so as to cover the rotor coil 15, each being provided with claw-shaped claw magnetic poles 21, 22 engaging with each other; and a magnet assembly 25 composed of a magnet 23 for reducing leakage of magnetic flux and a magnet-holding member 24 for supporting the magnet 23 10 on the claw magnetic poles 21, 22. Center of gravity 25G of the magnet assembly 25 is located on the base part side nearer than the center of the claw magnetic poles 21, 22.